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### (54) Title: LEUCINE RICH REPEAT CONTAINING PROTEIN

### Alignment of INSP179-EC and INSP179-EC-SV1 nucleotide sequences

179EC-SV1 INSP179EC	ATGAAAAACCTCTATTTCAGAGTCATTACCATAGTTATAGGTCTTTATTTA
179EC-SV1 INSP179EC	ATGACAAATGCATCAAGAAAAAGCAATATTTTATTCAATTCTGAATGCCAATGGAATGAA ATGACAAATGCATCAAGAAAAAGCAATATTTTATTCAATTCTGAATGCCAATGGAATGAA
179EC-SV1 INSP179EC	TATATTCTGACAAATTGTTCTTTTACCGGAAAGTGTGATATACCTGTGGACATATCACAG TATATTCTGACAAATTGTTCTTTTACCGGAAAGTGTGATATACCTGTGGACATATCACAG
179EC-SV1 INSP179EC	eq:caccaccaccaccaccaccaccaccaccaccaccaccac
179EC-SV1 INSP179EC	Araragragagtiggarattararcttggacctcagtarcartctcatatcararta Rararagragagtiggaratararcttggacctcagtarcartctcatatcararta
179EC-SV1 INSP179EC	${\tt ACCTTAGCCCTTTTGCATATTTACATGCTTTGGAAGTGTTAAACCTCAGCAACAATGCC} \\ {\tt ACCTTAGCCCTTTTGCATATTTTACATGCTTTGGAAGTGTTAAACCTCAGCAACAATGCC} \\ {\tt ACCTTAGCCCTTTTGCATATTTTACATGCTTTGGAAGTGTTAAACCTCAGCAACAATGCC} \\ {\tt ACCTTAGCCCTTTTGCATATTTTACATGCTTTTGGAAGTGTTAAACCTCAGCAACAATGCC} \\ {\tt ACCTTAGCCCTTTTGCATATTTTACATGCTTTTGGAAGTGTTAAACCTCAGCAACAATGCC} \\ {\tt ACCTTAGCCCTTTTTGCATATTTTACATGCTTTTGGAAGTGTTAAACCTCAGCAACAATGCC} \\ {\tt ACCTTAGCCCTTTTTGCATATTTTACATGCTTTTGGAAGTGTTAAACCTCAGCAACAATGCC} \\ {\tt ACCTTAGCCCTTTTTGCATATTTTACATGCTTTTTTTTTACATGCTTTAGAACAATGCC} \\ {\tt ACCTTAGCCCTTTTTGCATATTTTACATGCTTTTTTTTTT$
179EC-SV1 INSP179EC	${\tt ATCCACTCCCTCTCATTGGATCTACTCAGTCCTAAGTCCTCATTGGGTGAACGCCACAGA} \\ {\tt ATCCACTCCCTCTCATTGGATCTACTCAGTCCTAAGTCCTCATTGGTGAACGCCACAGA} \\ {\tt CACCTCCTCTCATTGGATCTACTCAGTCCTAAGTCCTCATTGGTGAACGCCACAGA} \\ {\tt CACCTCCTCTCATTGGATCTACTCAGTCCTAAGTCCTCATTGGTGAACGCCACAGA} \\ {\tt CACCTCCTCTCATTGGATCTACTCAGTCCTAAGTCCTCATTGGTGAACGCCACAGA} \\ {\tt CACCTCCTCTCATTGGATCTACTCAGTCCTAAGTCCTCATTGGTGAACGCCACAGA} \\ {\tt CACCTCCTCTCATTGGATCTACTCAGTCCTAAGTCCTCATTGGGTGAACGCCACAGA} \\ {\tt CACCTCCTCTCATTGGATCTACTCAGTCCTCATTGGATCTCATTGGATCAGAGACGCCACAGA} \\ {\tt CACCTCCTCTCATTGGATCTACTCAGTCCTCATTGGATCAGAGACGCCACAGA} \\ {\tt CACCTCCTCTCATTGGATCTACTCAGTCCTCATTGGATCAGAGACGCCACAGAA} \\ {\tt CACCTCCTCATTGGATCTACTCAGTCCTCATTGGATCAGAGACGCCACAGAA} \\ {\tt CACCTCCTCATTGGATCTACTCAGTCCTCATTGGATCAGAGACGCCACAGAA} \\ {\tt CACCTCCTCATTGGATCTACTCAGTCCTCATTGGATCAGAGAGACGCCACAGAA} \\ {\tt CACCTCATTGGATCTACTCAGTCCTCATTGGATCAGAGAGACGCCACAGAA} \\ {\tt CACCTCCTCATTGGATCAGAGAGACAGAAGAACAGACAGA$
179EC-SV1 INSP179EC	${\tt AGCAGCTTCAGAAACAGGTTTCCATTGCTGAAGGTGCTCATTCTTCAAAGAAATAAACTC} \\ {\tt AGCAGCTTCAGAAACAGGTTTCCATTGCTGAAGGTGCTCATTCTTCAAAGAAATAAACTC} \\ {\tt AGCAGCTTCAGAAACAGGTTTCCATTGCTGAAGGTGCTCATTCTTCAAAGAAATAAACTC} \\ {\tt AGCAGCTTCAGAAACAGGTTTCCATTGCTGAAGGAAATAAACTC} \\ {\tt AGCAGCTTCAGAAACAGGAACAGGAACAGAACAGAAACAGAAACAGAAACAGAAACAGAAAAAA$
179EC-SV1 INSP179EC	AGTGACACTCCCAAGGG
179EC-SV1 INSP179EC	AATGGGATATTGCAAATAGGGTGGTCTGATTTTCACAACTGCCTGC
179EC-SV1 INSP179EC	TGTTTAAAGAGCAACAAGATATTCAAAATTCCCCCACAAGCCTTCAAGGACCTCAAAAAA
179EC-SV1 INSP179EC	TTACAGGTCATAGACCTTAGCAACAATGCTCTGATTACCATCCTACCAATGATGATCATA
179EC-SV1 INSP179EC	GCTCTAGAATTTCCCCATCTAGTGGTTGACTTGGCTGATAATAACTGGCAGTGTGATAAT
179EC-SV1 INSP179EC	AGTGTGGCAGTCTTTCAAAATTTTATTTCTGAATCCTGGAGGAAAAAGTGGAATGTCATT
179EC-SV1 INSP179EC	TGCAACAGGTCTATAGGGAGTGAGGAGGCCAACGGGGGCACTCCCCAGAGCAGGATTTCC
179EC-SV1 INSP179EC	AGGGAAACCCGCCTTCCTCCCATTCATCTGCATCGCATGRAAAGCCTCATAAGGAGCAAA AGGGAAACCCGCCTTCCTCCCATTCATCTGCATCGCATGRAAAGCCTCATAAGGAGCAAA
179EC-SV1 INSP179EC	GCRGAGGGCCCCAGGGAGGAAGGCACACGGGCATTTCTACTCTGGGGAAGAAGGCAAAG GCAGAGAGGCCCCAGGGAGGAAGGCACACGGGATTTCTACTCTGGGGAAGAAGGCAAAG
179EC-SV1 INSP179EC	GCCGCCTCTGGTCTCAGGAAGAAGCAGAACGCCTGCCAAGGAGTGTTAGAAGCACCCGC GCCGCTCTGGTCTCAGGAAGAAGCAGAGACGGCTGCCAAGGAGTGTTAGAAGCACCCGC
179EC-SV1 INSP179EC	GATGTGCAG GATGTGCAG

(57) Abstract: This invention relates to the novel protein, termed INSP (179), herein identified as a secreted protein, in particular as a member of the leucine rich repeat containing protein family and to the use of this protein and nucleic acid sequences from the encoding gene in the diagnosis, prevention and treatment of disease.



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